## CLAIMS

What is claimed is:

1. A system for adaptive notification in a data communications network, the system comprising:

a data transport network;

a client comprising a client-side adaptive notification processor in communication with the data transport network; and

a server comprising a server-side adaptive notification processor in communication with the data transport network.

2. The system of claim 1, wherein the client is operable to:

send registration information to the server;

poll the server at a time period based on a refresh interval; and

receive adaptive notifications including a refresh interval from the server.

3. The system of claim 2, wherein the registration information is sent to the server independently.

4. The system of claim 2, wherein the registration information is sent to the server upon request from the server.

5. The system of claim 2, wherein the client is further operable to update its internal refresh interval with the refresh interval received in the adaptive notifications.

6. The system of claim 1, wherein the server is operable to:

receive registration information from the client;

receive a request for an adaptive notification from the client;

calculate a refresh interval; and

send the adaptive notification including the calculated refresh interval to the client.

7. The system of claim 6, wherein the server is further operable to calculate the refresh interval based at least in part upon a number of clients registered with the server.

8. The system of claim 6, wherein the server is further operable to calculate the refresh interval based at least in part upon the registration information from the client.

9. The system of claim 6, wherein the registration information includes a class and the calculation of the refresh interval is based at least in part upon the class and established for every client in that class.

10. A method for implementing adaptive notification in a client in a client-server system, the method comprising:

sending registration information to a server;

polling the server at a time interval based on a stored refresh interval;

receiving an adaptive notification from the server, the adaptive notifications including an updated refresh interval; and

storing the update refresh interval in the client as the stored refresh interval.

11. The method of claim 10, wherein the registration information is sent to the server independently.

12. The method of claim 10, wherein the registration information is sent to the server in response to a request from the server.

13. A method of implementing adaptive notification in a server in a client-server system, comprising:

receiving registration information from a client;

receiving a request for an adaptive notification from the client;

calculating a refresh interval based on the registration information from the client; and

sending the adaptive notification to the client, the adaptive notification including the refresh interval.

14. The method of claim 13, wherein the refresh interval is calculated based at least in part upon a number of clients registered with the server.

15. The method of claim 13, wherein the refresh interval is calculated based at least in part upon the registration information from the client.

16. The method of claim 13, wherein the registration information includes a class and the calculation of the refresh interval is based at least in part upon the class and the calculation is established for every client in that class.